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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Jacob Thomas, et al.
Serial No. : 09/976,573
Filed : October 12, 2001
Title : SYSTEM AND METHOD FOR REAL TIME RESERVOIR MANAGEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF REVOCATION AND NEW POWER OF ATTORNEY

Attached hereto is a Revocation and New Power of attorney appointing attorneys from the firm of Fish & Richardson P.C. in the above-referenced application.

Please confirm receipt and entry of the new power of attorney and charge any fees to deposit account no. 06-1050, referencing attorney docket number 15900-004001.

If there any questions, please contact the undersigned.

Respectfully submitted,

Date: August 4, 2003

Russell Rippamonti
Reg. No. 39,521

Fish & Richardson P.C.

Customer Number 26231



Telephone: (214) 747-5070

Facsimile: (214) 747-2091



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REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) Halliburton Energy Services, Inc., a Delaware corporation, certifies that it is the assignee of 100% of the right, title and interest in the three (3) patents and patent applications listed on the attached Appendix (TABLE 1) by virtue of assignments from the inventors of the patents and patent applications. The assignments for all of the three (3) patents and patent applications were recorded in the Patent and Trademark Office at Reel and Frame numbers provided in the Appendix (TABLE 1).

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the applications and appoints:

William E. Shull, Reg. No. 29,438	Michael D. McCully, Reg. No. 29,566
Mark Andrew Smith, Reg. No. 30,220	Paul I. Herman, Reg. No. 37,349
William M. Imwalle, Reg. No. 35,904	William R. Peoples, Reg. No. 25,906
Robert A. Kent, Reg. No. 28,626	Craig W. Roddy, Reg. No. 36,256
John W. Wustenberg, Reg. No. 35,415	Clive D. Menezes, Reg. No. 45,493
Scott Wendorf, Reg. No. 48,029, all of:	

HALLIBURTON ENERGY SERVICES, INC.

2601 Beltline Road
Building 1-B
Carrollton, Texas 75006
Telephone: (972) 418-3000
Facsimile: (972) 418-3877

and

Russell Rippamonti, Reg. No. 39,521	P. Weston Musselman, Jr., Reg. No. 31,644
William Borchers, Reg. No. 44,549	Spencer Patterson, Reg. No. 43,849
Kevin Gray, Reg. No. 37,141	Keith Taber, Reg. No. 46,114
Joshua Griswold, Reg. No. 46,310	Rocky Tsao, Reg. No. 34,053
Harold Fox, Reg. No. 41,498	Hans Troesch, Reg. No. 36,950
Mark Ellinger, Reg. No. 34,812	Frederick Rabin, Reg. No. 24,488
Scott Harris, Reg. No. 32,030, all of the firm of:	

FISH & RICHARDSON P.C.

1717 Main Street, Suite 5000
Dallas, Texas 75201
Telephone: (214) 747-5070
Facsimile: (214) 747-2091

with full power of substitution and revocation, to prosecute the patent applications and to transact all business in the United States Patent and Trademark Office connected with the patents and patent applications.

Per 37 C.F.R. § 10.18(b), the undersigned has reviewed all the documents in the chain of title of the patents and patent applications listed on the attached Appendix (TABLE 1), or made an inquiry reasonable under the circumstances, and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

All correspondence regarding the patents and patent applications should be sent to:

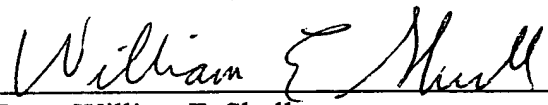
HALLIBURTON ENERGY SERVICES, INC.

2601 Beltline Road
Building 1-B
Carrollton, Texas 75006

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the applications or any patents issued thereon.

Respectfully submitted,

Date: 07-29-03


By: William E. Shull

Title: Vice President & Chief Patent Counsel

Halliburton Energy Services, Inc.
2101 City West Blvd.
Bldg. 2, Room 1519A
Houston, TX 77042

TABLE 1

HALLIBURTON ENERGY SERVICES, INC.

Attorney Docket Number	Application Serial No.	Reel/Frame and Chain of Title
15833-012001	10/174,699	Recorded 06/19/02, Reel/Frame 012995/0204, from Inventors to Halliburton Energy Services, Inc.
15833-013001	10/189,889	Assignment filed in PTO 07/03/2003, from Inventors to Halliburton Energy Services, Inc.
15900-004001	09/976,573	Recorded 01/29/02, Reel/Frame 012561/0383, from Inventors to Halliburton Energy Services, Inc.